

November 05, 2014

Jennifer Von Rohr
WH Pacific, Inc
123 SW Columbia St
Suite 100
Bend, OR 97702

RE: Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Dear Jennifer Rohr:

Enclosed are the analytical results for sample(s) received by the laboratory on October 21, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Denise Jensen
denise.jensen@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - VVV #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

Montana Certification IDs

150 N. 9th Street, Billings, MT 59101
Colorado Asbestos #: 17119
A2LA Certification #: 3590.01
EPA Region 8 Certification #: 8TMS-L
Idaho Certification #: MT00012

Minnesota Dept of Health Certification #: 030-999-442
Montana Certification #: MT CERT0040
North Dakota Dept. Of Health #: R-209
NVLAP Certification #: 101292-0
Washington Department of Ecology #: C993

Pennsylvania Certification IDs

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH-0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana DHH/TNI Certification #: LA140008
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: PA00091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235

Montana Certification #: Cert 0082
Nebraska Certification #: NE-05-29-14
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: PA014572014-4
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10286023001	PW3 HWY 22	Water	10/16/14 17:16	10/21/14 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10286023001	PW3 HWY 22	EPA 6020	TT3	13	PASI-M
		EPA 7470	DM	1	PASI-M
		SM 2540C	SC1	1	PASI-MT
		EPA 903.1	JMC	1	PASI-PA
		EPA 904.0	JMR	1	PASI-PA

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PROJECT NARRATIVE

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Method: EPA 6020
Description: 6020 MET ICPMS
Client: WH Pacific, Inc
Date: November 05, 2014

General Information:

1 sample was analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3020 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: MPRP/50326

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 1833683)
- Lead

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: MPRP/50326

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- PW3 HWY 22 (Lab ID: 10286023001)
 - Silver
 - Beryllium
 - Antimony
 - Selenium

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PROJECT NARRATIVE

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Method: EPA 6020
Description: 6020 MET ICPMS
Client: WH Pacific, Inc
Date: November 05, 2014

Analyte Comments:

QC Batch: MPRP/50326

P8: Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

- BLANK (Lab ID: 1833683)
- Lead

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PROJECT NARRATIVE

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Method: EPA 7470
Description: 7470 Mercury
Client: WH Pacific, Inc
Date: November 05, 2014

General Information:

1 sample was analyzed for EPA 7470. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Method: SM 2540C
Description: 2540C Total Dissolved Solids
Client: WH Pacific, Inc
Date: November 05, 2014

General Information:

1 sample was analyzed for SM 2540C. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Method: EPA 903.1
Description: 903.1 Radium 226
Client: WH Pacific, Inc
Date: November 05, 2014

General Information:

1 sample was analyzed for EPA 903.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Method: EPA 904.0
Description: 904.0 Radium 228
Client: WH Pacific, Inc
Date: November 05, 2014

General Information:

1 sample was analyzed for EPA 904.0. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

Sample: PW3 HWY 22		Lab ID: 10286023001	Collected: 10/16/14 17:16	Received: 10/21/14 09:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS		Analytical Method: EPA 6020 Preparation Method: EPA 3020						
Antimony	ND ug/L		10.0	20	11/03/14 12:18	11/04/14 14:09	7440-36-0	D3
Arsenic	15.5 ug/L		10.0	20	11/03/14 12:18	11/04/14 14:09	7440-38-2	
Barium	4640 ug/L		6.0	20	11/03/14 12:18	11/04/14 14:09	7440-39-3	
Beryllium	ND ug/L		4.0	20	11/03/14 12:18	11/04/14 14:09	7440-41-7	D3
Cadmium	6.4 ug/L		1.6	20	11/03/14 12:18	11/04/14 14:09	7440-43-9	
Chromium	26.7 ug/L		10.0	20	11/03/14 12:18	11/04/14 14:09	7440-47-3	
Copper	30.0 ug/L		20.0	20	11/03/14 12:18	11/04/14 14:09	7440-50-8	
Lead	60.5 ug/L		2.0	20	11/03/14 12:18	11/04/14 14:09	7439-92-1	
Nickel	38.3 ug/L		10.0	20	11/03/14 12:18	11/04/14 14:09	7440-02-0	
Selenium	ND ug/L		10.0	20	11/03/14 12:18	11/04/14 14:09	7782-49-2	D3
Silver	ND ug/L		10.0	20	11/03/14 12:18	11/04/14 14:09	7440-22-4	D3
Thallium	79.1 ug/L		2.0	20	11/03/14 12:18	11/04/14 14:09	7440-28-0	
Zinc	4300 ug/L		100	20	11/03/14 12:18	11/04/14 14:09	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.60	1	10/28/14 13:40	10/28/14 16:45	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	255000 mg/L		60.0	1		10/22/14 15:00		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: P000527W FORT BERTHOLD OVERSIT

Pace Project No.: 10286023

QC Batch: MERP/11974

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Associated Lab Samples: 10286023001

METHOD BLANK: 1825738

Matrix: Water

Associated Lab Samples: 10286023001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	10/28/14 16:33	

LABORATORY CONTROL SAMPLE: 1825739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1828495

1828496

Parameter	Units	10285983001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.2	5.2	103	104	75-125	1	20	

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QUALITY CONTROL DATA

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

QC Batch:	MPRP/50326	Analysis Method:	EPA 6020
QC Batch Method:	EPA 3020	Analysis Description:	6020 MET
Associated Lab Samples:	10286023001		

METHOD BLANK: 1833683 Matrix: Water
Associated Lab Samples: 10286023001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	0.50	11/04/14 12:53	
Arsenic	ug/L	ND	0.50	11/04/14 12:53	
Barium	ug/L	ND	0.30	11/04/14 12:53	
Beryllium	ug/L	ND	0.20	11/04/14 12:53	
Cadmium	ug/L	ND	0.080	11/04/14 12:53	
Chromium	ug/L	ND	0.50	11/04/14 12:53	
Copper	ug/L	ND	1.0	11/04/14 12:53	
Lead	ug/L	0.15	0.10	11/04/14 12:53	P8
Nickel	ug/L	ND	0.50	11/04/14 12:53	
Selenium	ug/L	ND	0.50	11/04/14 12:53	
Silver	ug/L	ND	0.50	11/04/14 12:53	
Thallium	ug/L	ND	0.10	11/04/14 12:53	
Zinc	ug/L	ND	5.0	11/04/14 12:53	

LABORATORY CONTROL SAMPLE: 1833684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	80	72.3	90	80-120	
Arsenic	ug/L	80	79.1	99	80-120	
Barium	ug/L	80	85.1	106	80-120	
Beryllium	ug/L	80	80.8	101	80-120	
Cadmium	ug/L	80	76.7	96	80-120	
Chromium	ug/L	80	77.1	96	80-120	
Copper	ug/L	80	78.8	98	80-120	
Lead	ug/L	80	80.1	100	80-120	
Nickel	ug/L	80	82.1	103	80-120	
Selenium	ug/L	80	78.1	98	80-120	
Silver	ug/L	80	74.8	94	80-120	
Thallium	ug/L	80	82.0	103	80-120	
Zinc	ug/L	80	83.3	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1834296 1834297

Parameter	Units	10286583007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Antimony	ug/L	0.35J	80	80	75.2	75.0	94	93	75-125	0	20
Arsenic	ug/L	6.2	80	80	87.7	87.0	102	101	75-125	1	20
Barium	ug/L	60.5	80	80	137	138	96	97	75-125	1	20

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QUALITY CONTROL DATA

Project: P000527W FORT BERTHOLD OVERSIT

Pace Project No.: 10286023

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1834296 1834297											
Parameter	Units	10286583007	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Max
		Result	Spike	Spike							
			Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD
Beryllium	ug/L	<0.066	80	80	82.8	82.5	103	103	75-125	0	20
Cadmium	ug/L	<0.033	80	80	78.1	79.9	98	100	75-125	2	20
Chromium	ug/L	16.5	80	80	94.5	94.1	98	97	75-125	0	20
Copper	ug/L	0.29J	80	80	77.9	77.5	97	97	75-125	0	20
Lead	ug/L	<0.046	80	80	76.8	77.4	96	97	75-125	1	20
Nickel	ug/L	0.42J	80	80	81.1	80.5	101	100	75-125	1	20
Selenium	ug/L	4.7	80	80	84.8	84.0	100	99	75-125	1	20
Silver	ug/L	<0.056	80	80	75.3	74.0	94	92	75-125	2	20
Thallium	ug/L	<0.025	80	80	77.8	78.5	97	98	75-125	1	20
Zinc	ug/L	13.1	80	80	85.8	84.2	91	89	75-125	2	20

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QUALITY CONTROL DATA

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

QC Batch:	MT/17308	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	10286023001		

METHOD BLANK: 1824211 Matrix: Water
Associated Lab Samples: 10286023001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	20.0	10/22/14 15:00	

LABORATORY CONTROL SAMPLE: 1824212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	1040	104	80-120	

SAMPLE DUPLICATE: 1824213

Parameter	Units	10285893001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	589	591	0	10	

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: P000527W FORT BERTHOLD OVERSIT

Pace Project No.: 10286023

Sample: PW3 HWY 22 Lab ID: 10286023001 Collected: 10/16/14 17:16 Received: 10/21/14 09:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Radium-226	EPA 903.1	1,207 ± 190 (26.1) C:NA T:95%	pCi/L	11/03/14 11:20	13982-63-3	
Radium-228	EPA 904.0	1,441 ± 261 (21.1) C:70% T:82%	pCi/L	11/03/14 15:27	15262-20-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

QC Batch:	RADC/21935	Analysis Method:	EPA 903.1
QC Batch Method:	EPA 903.1	Analysis Description:	903.1 Radium-226
Associated Lab Samples:	10286023001		

METHOD BLANK: 809866 Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.000 ± 0.489 (0.968) C:NA T:95%	pCi/L	11/03/14 10:50	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: P000527W FORT BERTHOLD OVERSIT

Pace Project No.: 10286023

QC Batch: RADC/21940

Analysis Method: EPA 904.0

QC Batch Method: EPA 904.0

Analysis Description: 904.0 Radium 228

Associated Lab Samples: 10286023001

METHOD BLANK: 809871

Matrix: Water

Associated Lab Samples:

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.292 ± 0.302 (0.624) C:82% T:91%	pCi/L	11/03/14 15:25	

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QUALIFIERS

Project: P000527W FORT BERTHOLD OVERSIT
Pace Project No.: 10286023

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Act - Activity
Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).
Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)
(MDC) - Minimum Detectable Concentration
Trac - Tracer Recovery (%)
Carr - Carrier Recovery (%)
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis
PASI-MT Pace Analytical Services - Montana
PASI-PA Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
P8 Analyte was detected in the method blank. All associated samples had concentrations of at least ten times greater than the blank or were below the reporting limit.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA CROSS REFERENCE TABLE

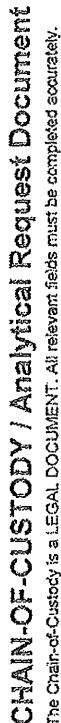
Project: P000527W FORT BERTHOLD OVERSIT

Pace Project No.: 10286023

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10286023001	PW3 HWY 22	EPA 3020	MPRP/50326	EPA 6020	ICPM/22356
10286023001	PW3 HWY 22	EPA 7470	MERP/11974	EPA 7470	MERC/13852
10286023001	PW3 HWY 22	SM 2540C	MT/17308		
10286023001	PW3 HWY 22	EPA 903.1	RADC/21935		
10286023001	PW3 HWY 22	EPA 904.0	RADC/21940		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	WHPacific, Inc.	Report To:	Jennifer von Euler	Attention:	Jennifer von Euler
Address:	123 SW Columbia St Suite 100, Bend, OR 97702	Copy To:		Company Name:	WHPacific, Inc.
E-mail To:	von@whpacific.com	Purchase Order No.:	P0005257W	Address:	SAME.
Phone:	531-312-2304	Project Name:	Fort Bendwood Oversight	Pace Quote Reference:	
Requested Due Date/TAT:	Standard	Project Number:	P0005257W	Pace Project Manager:	
				REGULATORY AGENCY	
				<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input checked="" type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RORA <input type="checkbox"/> OTHER _____	
				Site Location: _____ STATE: <u>ND</u>	

[illegible]

Volume remains please
contact For potential
Analysis. Hold any
Recommending Sample volume.


SAMPLER NAME AND SIGNATURE

Sierra Geraci, NHPacific
DATE Signed: 10/20/14
(signature): *Sierra Geraci*

Important Note: By signing this form you are accepting Pace's NE

late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.38, 12-Oct-2007

	Document Name: Sample Condition Upon Receipt Form	Document Revised: 14Jul2014 Page 1 of 1
	Document No.: F-MT-C-184-rev.04	Issuing Authority: Pace Montana Quality Office

Sample Condition
Upon Receipt

Client Name:

Project #:

WIO#: 10286023

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client
☐ Commercial ☐ Pace ☐ Other: _____

Tracking Number: 8061 7401 5523



Custody Seal on Cooler/Box Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other: _____ Temp Blank? ☐ Yes ☒ No

Thermometer Used: ☒ B88A0140728348 ☐ NA Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read: 6.1

Date and Initials of Person Examining Contents: 10/21/14

Cooler Temp Corrected: 6.1

Biological Tissue Frozen? ☐ Yes ☒ No

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes Date/Time/ID/Analysis Matrix: H ₂ O		
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , HCl<2; NaOH >9 Sulfide, NaOH >12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Sample #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed: _____ Lot # of added preservative: _____
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? ☐ Yes ☐ No

Person Contacted: _____


Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____

Date: 10/22/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

	Document Name:	Revised Date: 01May2014
	MT to MN Sample Transfer Form	Page: 1 of 1
	Document Number:	Issuing Authority:
	F-MT-C-179-rev.06	Pace Minnesota Quality Office

Shipping (circle):	UPS <u>Fed Ex</u>
Tracking #:	<u>0021 2785 83100</u>
Client:	WH Pacific
Due Date:	4-Nov-2014
Pace WO:	10286023
Project Manager:	Denise Jensen

MT to MN Sample Transfer Condition Upon Receipt Form

ANALYSIS REQUESTED					
Method Number & Description	Container Type	# of Bottles	Lab ID's	Preservative Yes or No	Verify Arrival Date & Initials
Tests					
Total metals	250 ml poly	1	10286023001	nitric	<u>AD 10-23-14</u>

REPORTING REQUIREMENTS/ADDITIONAL COMMENTS

MINNESOTA SAMPLE RECEIPT INFORMATION			
IR Gun (circle): 80512447, B88A912167504, 72337080	Correction Factor: <u>0.0</u>	Sample Matrix: <u>wt</u>	
Cooler Temp Read (°C): <u>1.2</u>	Cooler Temp Corrected (°C): <u>1.2</u>	Filtred volume rec'd for dissolved tests:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> <u>AD 10-23-14</u>
Arrived on Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Samples pH have been checked:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Custody Seal Present:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Trip Blank Present:	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Short Hold Time Requested < 72 Hours:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Trip Blank Custody Seals Present:	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Rush TAT Requested:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Pace Trip Blank Lot #:	
Sufficient Sample Volume:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sample Composites Required:	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
Samples Arrived within Hold Time:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Report Samples:	Wet Wt. <input checked="" type="checkbox"/> Dry Wt. <input type="checkbox"/>
Containers Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Reporting Units:	

CUSTODY TRANSFER					
Relinquished by/Affiliation	Date	Time	Accepted By Affiliation	Date	Time
<u>Murphy - Pace</u>	<u>10/23/14</u>	<u>11:00</u>	<u>Amfender</u>	<u>10-23-14</u>	<u>9:45</u>

CLIENT NOTIFICATION/RESOLUTION	
Person Contacted: _____	Date: _____
Comments/Resolution: _____	

Project Manager Review: _____

Cathy Sparks

Date: 10-23-14

